

Abstract

The present invention provides systems and methods of retrieving the pages according to the quality of the individual pages. The rank of a page for a keyword is a combination of intrinsic and extrinsic ranks. Intrinsic rank is the measure of the relevancy of a page to a given keyword as claimed by the author of the page while extrinsic rank is a measure of the relevancy of a page on a given keyword as indicated by other pages. The former is obtained from the analysis of the keyword matching in various parts of the page while the latter is obtained from the context-sensitive connectivity analysis of the links connecting the entire Web. The present invention also provides the methods to solve the self-consistent equation satisfied by the page weights iteratively in a very efficient way. The ranking mechanism for multi-word query is also described. Finally, the present invention provides a method to obtain the more relevant page weights by dividing the entire hypertext pages into distinct number of groups.